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CL-COTIN

Application

CL-COTIN is an alloy process which is mainly applied as bulk plating after nickel plating. CL-COTIN produces a comparable decorative impression like a chrome deposition.

Make-up quantity for 100 ltr. electrolyte

CL-COTIN Part 1	4,0 kg
CL-COTIN Part 2	0,5 kg
CL-COTIN Part 3	2,0 kg

Equipment

As a working tank we recommend a tank with a koroseal, PVC or PPH lining. It is recommended to regulate the temperature via an automatic installation device. Heat exchangers should be made of teflon or titan. A continuous filtration is recommended to avoid roughness.

Anodes

Suitable are anodes made from insoluble V2A steel. The ratio between anode- and cathode surface should be 2 : 1.

Make-up

Clean the working tank, fill up the tank with deionised water, heat up to 50-60 °C and dissolve the required amount of salts. Adjust the pH value to 8,2 by means of a diluted NaOH solution. Under adherence of the working conditions (pH value and temperature), dummy plate the electrolyte at a current density of 0,5 – 1 A/dm² at approx. 0,2 – 0,5 Ah/ltr. After this the electrolyte is ready to use.

CL-COTIN Part 3 is only added once by a new make-up. This allows the electrolyte to be operated immediately and avoids the working through time of the electrolyte.

Bath parameter

Nominal values of the basic electrolyte:

		<u>Range</u>
CL-COTIN Part 1	40 g/l	
CL-COTIN Part 2	5 g/l	
Temperature	45 °C	40 – 50 °C
Exposition time	1 – 3 min.	
Cathode current density	0,3 A/dm ²	0,1 – 1 A/dm ²
Anode current density	0,5 A/dm ²	0,2 – 1 A/dm ²

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Geschäftsführer : Fred Lüdtke

Safety Indication

The necessary precautions measures should be adhered to in handling the chemicals.

Chemicals without a hazard indication should not be seen as harmless. Also when the handling of chemicals are not due to hazard identification, we recommend to handle with care and avoid for example skin contact.

Warranty

Seller makes not warranty, whether of merchantability, fitness or otherwise, expressed or implied, concerning the product other than it shall be of the specification stated herein.

Any recommendations made by Seller concerning the use of the product are believed to be reliable, but seller makes no warranty of the results obtained. Buyer agrees to inspect the product supplied hereunder immediately after delivery. Failure to give notice in writing as aforesaid within the specified time constitutes and unqualified acceptance of the product and a waiver of all claims with respect thereto.

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